COUNTY SANITATION DISTRICTS OF ORANGE COUNTY
APPLICATION FOR CLASS I WASTEWATER DISCHARGE PERMIT

Instructions

For the Districts to properly evaluate and process a Class I Wastewater Discharge Permit, the applicant must provide a complete permit application.

- The Permit Application Form must be filled out completely. Your application will be returned to you if there is any missing information. **Please write N/A if the information being requested does not apply.**
- The Permit Application must be signed by the Chief Operating Officer or official company representative. The Districts will return your permit application if it is not signed by the proper company official.
- The permit fee is due at the time the permit application is submitted. An application received without remittance will be returned. All required Drawings and Information described in the information brochure must be submitted with this application. Complete the checklist provided to ensure that all requirements are satisfied.

The Districts **will not** process incomplete Permit Applications. Please refer to **Appendix A** of the information brochure for **detailed instructions** for completing this Application Form. Clearly print or type the information requested.

Ownership Information

A Applicant: Klean Waters Inc.
(Complete Legal Company Name)

B Mailing Address: 28465 Old Town Front St. Ste.224 | Temecula | CA | 92590
(Street | City | State | Zip Code)

C Sewer Service Address: 314 W. Freedom Ave. | Orange, | CA | 92865
(Street | City | State | Zip Code)

D Phone Number: (951) 595-6800 Fax Number (951) 676-1666

E Is your business a ☒ Corporation? ☐ Partnership? ☐ Sole Proprietorship?

List all Principals/Owners/Major Shareholders of the business. This must include the Chief Executive Officer or equivalent.

Name and Title	Address
Tim Miller, Pres.	28465 Old Town Front St. Ste.224 Temecula, CA 92590

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For corporations only: 2012 (Year of Incorporation) | CA (State of Incorporation) | 90-0854049 (Corporate Identification Number)

F Are you the ☐ Landowner? or ☒ Lessee? If a lessee, include the name, address, and telephone number of the property owner and/or the manager of the property: Check one: ☐ Owner ☒ Manager

Shawn Kelter | 15 Beacon Bay Newport Beach, CA 92660 | 714-343-3556
(Name | Address | Phone)

G Name of individual responsible for wastewater discharge who can be served with notices and who is a designated signatory for purposes of signing all reports:

Tim Miller, Pres. | 28465 Old Town Front St. Ste.224 Temecula, CA 92590 | Phone 951-595-6800
(Name and Title | Address)

Manufacturing Process Information

H Description of all manufacturing processes or service activities on the premises: (Use additional sheets if necessary.)

centalized wastewater treatment for non-hazardous industrial wastewaters

I Description of Raw Materials Used: (Use additional sheets if necessary.)

Sodium hydroxide
sulfuric acid
aluminum sulfate
cationic polymers
anionic polymers

J Description of Product: (Use additional sheets if necessary.)

effluent water to meet O.C.S.D. permit limits
non-hazardous treatment sludge

K Average Daily Production: 25,000 – 100,000 gallons

L Standard Industrial Classification (SIC) Code:

Primary SIC Code: ~~4959-07~~ 562219 Secondary SIC Code(s):

Operations Information

M Operating Schedule:

Number of shifts per work day: 1 Number of work days per week: 5 Number of production days per year: 260

Average no. of employees per shift:	1st: 2	2nd:	3rd:	Total: 2
Production hours per shift:	1st: 10	2nd:	3rd:	Total: 10
Discharge hours per shift:	1st: 10	2nd:	3rd:	Total: 10

N When did you start operating at this facility? _____ (Month) _____ (Year) ☒ N/A

O Have you made any changes in the manufacturing process since the start of operation? ☐ Yes ☐ No ☒ N/A
If the answer is Yes, please briefly describe these process modifications/additions:

P Are you the original occupants of this facility for which you are applying for a permit? ☒ Yes ☐ No
If the answer is No, please provide the name (if known) of the previous business which operated this facility:

Q For Metal Finishing Industries only: Based on the amount of area plated at this facility, do you own more than 50% of the materials undergoing metal finishing? ☐ Yes ☐ No ☒ N/A

Discharge Information

R Do you currently have an existing Class I Wastewater Discharge Permit issued by Orange County Sanitation Districts at the sewer address indicated? ☐ Yes ☒ No If Yes, Permit No. _____

S Do you currently discharge wastewater from the sewer address indicated? ☐ Yes ☒ No

If the answer is No, indicate the date you plan to commence discharge: 11-1-12

Indicate approximate, anticipated, or actual industrial discharge: 25,000 - 100,000 gallons/day
Provide data or calculations used to determine this rate in **Attachment B.**

T Sampling Point Location: middle of north wall, before flowmeter

Information for Determining Volume of Wastewater Discharge and User Charges

U Assessor Parcel Number(s) as shown on property tax bill: 37445303

V Water Supplier: City of Orange

Water Account Number(s): 0047170587

W If a lessee, is your facility part of a commercial/industrial complex? ☒ Yes ☐ No ☐ N/A
If Yes, indicate (a) percentage of property tax bill paid to landowner: 100 %
(b) indicate percentage of water bill paid to landowner: N/A
(c) indicate square footage of leased space: 27,000

X In order to determine mass emission rates and user charges, the actual volume of water discharged to the sewer must be calculated. For facilities that do not have effluent meters, this is done by determining the volume of incoming water as indicated by the city water meter and then applying appropriate deductions for water losses. If losses cannot be quantified, the Districts will apply water losses equivalent to 5% of the incoming water. It is to your advantage to determine and quantify these losses if your facility has water losses more than 5%. Please check the appropriate box below:

☐ Apply 5% loss ☒ Use calculated loss

If calculated loss is indicated, determine all applicable losses using the worksheet provided in **Attachment A** and summarize results in the table below. The worksheet and supporting documentation must be submitted for these losses to be applied.

Item	Average Daily Water Losses	gal/day
I	Landscape/Irrigation losses	0
II	Boiler losses for steam condensate not returned to boiler	0
III	Cooling tower water evaporation	0
IV	Product losses	0
V	Other losses	0
TOTAL LOSSES		0

Y Indicate the water meter type(s) used to measure **incoming** water for your facility:

☐ City water meter only ☐ Process meter only ☒ Both city meter and process meter

The meter(s) checked above measure :

☒ Only the incoming water going to the applicant's facility.
☐ The incoming water to the applicant's facility and for other companies adjacent.

Answer this section only if losses were calculated and itemized in the table above. If your facility has both a city meter and a process meter, indicate which losses apply to the appropriate meter by circling the items below:

Applicable Losses (Please refer to the table above for the item list.)

City meter: I II III IV V

Process meter: I II III IV V

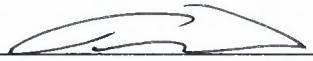
Certification

I have personally examined and am familiar with the information submitted in the attached document, and I hereby certify under penalty of law that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

I certify that upon issuance of the permit, that this firm's operation and its resultant wastewater discharge will achieve consistent compliance with the Districts' Ordinance and applicable Federal wastewater discharge requirements. If the wastewater discharge does not meet all the applicable regulations, the company will modify manufacturing equipment, limit production, limit industrial waste discharge, install wastewater pretreatment equipment, or do whatever is necessary to meet discharge requirements.

Z Official Company Representative:

Name: Tim Miller

Signature: 

Title: President

Date: 9-25-12

α Name of the person to contact concerning information provided in this application:

Name: Tim Miller

Address: 28465 Old Town Front St. Ste. 224
Temecula, CA 92590

Title: President

Phone: 951-595-6800

THIS IS MANDATORY
Complete and return this form

Certification of Responsible Officer

I, the undersigned, do hereby certify that I meet the definition of a Responsible Officer, as outlined below.

A responsible officer is defined as found in 40 CFR 403.12 (l)(1)(i):

1. For a corporation:
   a. A President, Secretary, Treasurer, or Vice President in charge of a principle business function or any other person who performs similar policy or decision making functions for the corporation, or
   b. The manager of one or more manufacturing, production, or operating facilities provided the manager is authorized to assure long term environmental compliance with environmental laws and regulations and where authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures.
2. For a partnership or sole proprietorship; a general partner or partner, respectively
3. For a public agency; a general manager, department manager, or supervisor of a public agency who performs policy or decision making functions for the public agency.

I accept the responsibility for the overall operation of the facility and/or overall responsibility for compliance with all regulatory requirements for the facility from which the wastewater discharge originates.

Name of Responsible Officer Tim Miller
(Please Print or Type)

Signature _____ Date 9-25-12

Title President E-mail address tim@kleanwatersinc.com

Company Name Klean Waters Incorporated Permit No. _____

NOTE: All correspondence regarding permit, enforcement, and self-monitoring issues (e.g., Self-Monitoring Forms and Reminder Letters, Notices of Violations, Permit Application, etc.) shall be sent to the Responsible Officer or to the Designated Signatory if properly authorized. If there is a change in the Responsible Officer or Designated Signatory in the future, the Districts must be notified in writing and the appropriate form must be submitted.

THIS IS OPTIONAL.
Submit this form only if the Responsible Officer wants to designate a Signatory.

Option to Designate Signatory

This is to authorize the individual whose name and title appear below,

_____ _____
Designated Signatory's Name (Please Print or Type) *Title*

to be the designated individual responsible for wastewater discharges who can be served with notices, and who is the Designated Signatory on my behalf for purposes of signing all reports. This individual has the responsibility for the overall operation of the facility and/or overall responsibility for compliance with all regulatory requirements for this facility from which the wastewater discharge originates. I understand that if, in the future, this information is no longer correct, the District will be notified in writing to terminate designation of the above-named individual and to establish a new signatory.

Name of Responsible Officer _____
(Please Print or Type)

Signature _____

Title _____ Date _____

Company Name _____ Permit No. _____

A designated signatory is defined as found in 40 CFR 403.12 (l)(3)(ii):
1. An individual or a position having responsibility for the overall operation of the facility from which the industrial discharge originates, such as the position of plant manager, operator of a well, or well field superintendent, or a position of equivalent responsibility, or having overall responsibility for environmental matters for the company, and;

2. Written authorization is submitted to the Source Control Permit Supervisor at the Orange County Sanitation Districts, and;

3. Written authorization must be submitted by a responsible corporate officer such as a President, Secretary, Treasurer, or Vice-President of the corporation in charge of a principal business function or any other person who performs decision-making functions for the corporation.

I accept the responsibility for the overall operation of the facility and/or overall responsibility for compliance with all regulatory requirements for this facility from which the wastewater discharge originates. I understand that it is my responsibility to keep the Responsible Officer informed at all times regarding all permit and enforcement issues.

Name of Designated Signatory _____
(Please Print or Type)

Signature _____ Date _____

Title _____ E-mail address _____

All correspondence regarding all permit and enforcement issues shall be sent to the Designated Signatory. It is the Designated Signatory's responsibility to keep the Responsible Officer informed at all times regarding all permit and enforcement issues. The Responsible Officer remains legally responsible for all wastewater discharge to the sewer from this facility and for ensuring that he is duly informed by the Designated Signatory.

ATTACHMENT A

(This form must be completed manu

ONSITE WATER METER INFORMATION

REQUIRED INFORMATION: Complete the ONSITE WATER METER table for **all** water meters at your facility.

Meter Type		Digits									Fixed Zeros		Tenths	Units	Multi-plier	Location
(City) Shop	Process Effluent	0	0	0	0	0	1	9	8	0			.40	(Cu. Ft.) Gallons	(X 10) X 100	curbside, just north of driveway
City Shop	Process Effluent												.	Cu. Ft. Gallons	X 10 X 100	
City Shop	Process Effluent												.	Cu. Ft. Gallons	X 10 X 100	
City Shop	Process Effluent												.	Cu. Ft. Gallons	X 10 X 100	
City Shop	Process Effluent												.	Cu. Ft. Gallons	X 10 X 100	
City Shop	Process Effluent												.	Cu. Ft. Gallons	X 10 X 100	

INSTRUCTIONS

STEP 1. Please identify for each *Onsite Water Meter* at your facility.

- **Meter type** - Use the following descriptions to characterize your meter type(s).
  The **City Meter** is typically found outside at all buildings. This meter type, maintained by the water purveyor (city or local agency), is used to measure incoming water for potable, sanitary, landscaping, and industrial uses. The readings from these meters are used to determine the charges on the monthly or bi-monthly water bills. The **Process Meter** is located downstream of all drinking, sanitary, and landscaping uses. Process meters are typically installed to determine water usage to specific industrial processes. The **Effluent Meter** records the actual volume of wastewater discharged by the facility and is typically located at the discharge point near the designated sample point. The O.C. Sanitation District may require an effluent meter to determine daily flows for compliance verification, and/or to establish accurate sewerage service charges. The **Shop Meter** is often found in a multi-occupancy industrial strip that does not have individual city meters for each suite. Landlords who do not want to pay the water bill for a significant water user often install a meter on the outside of the shop. It is distinguished from the process meter in that it also meters the potable and sanitary flow, like a city meter. The water purveyor does not bill the user directly for water usage metered by a shop meter. The landlord will frequently bill the renter directly, based upon the shop meter volumes.

- **Digits/Fixed Zeros/Tenths** - Use the Digits, Fixed Zeros, and Tenths columns to record the current meter reading. Include the beginning digits, even if they are zero, as well as, the fixed zeros, or tenths designated by the arrow sweep. **Please visually read each meter. Do not provide values or volumes from the water bills.**
  Use the following the guidelines for Fixed Zeros and Tenths to provide assistance with reading and recording the information for several common meter variations. **Fixed Zeros** - On many water meter models the sweeping arrow records numerical units that are designated by the fixed zeros on the totalizer read-out. Use the three shaded columns designated Fixed Zeros to indicate that the meter's arrow sweep records single (0 - 9) digit, double (10 - 90) digit, or triple (100 - 900) digit values. **Tenths** - On many water meter models the dial numbers (selected by the arrow sweep), or the last digit of a totalizer read-out designates tenths of a gallon. Use the tenths column (implied by the decimal point) to indicate the meter records tenths of a gallon.

- **Units/Multiplier** - Indicate the meter units, Cubic Feet (Cu. Ft.) or Gallons. If applicable, indicate the multiplier factor (x 10 or x 100). **Do not confuse this with the typical billing unit (100 CF) on the monthly water bill.**
  Units - Most water meters register the volume of water in either cubic feet or gallons. Please indicate if your meter uses a different unit of measurement such as barrels, cubic meters, or acre feet. **Multiplier** - Occasionally the meter dial will indicate that a multiplier (X 10 or X 100) must be applied to the totalizer reading (this feature is more common on electronic flow instruments). Please indicate different multiplier factors as applicable.

- **Location** - Briefly describe the location of each meter.
  Descriptive terms and location references such as curbside, street vault, north side of building, inside the process area, adjacent to the driveway, on the east wall, etc., will all help our field staff verify the information by establishing vital reference points.

STEP 2. Attach a copy of the latest water bill for each city meter identified.

ATTACHMENT A
ITEMIZED CALCULATION OF WATER LOSSES

Losses refer to the incoming water used that does not go to the sewer. This includes water used for landscaping/irrigation, water evaporated from cooling towers, water evaporated from boilers in which condensate is not returned to the boiler, water evaporated from heated tanks or processes, wash water going to storm drain, water actually added to your product, or any other processes where water does not go to the sewer. Calculate the losses as shown below:

I. LANDSCAPE/IRRIGATION LOSSES

Square Footage of Landscaped Area (ft^2)	x	Loss Factor 25 gal/sq.ft./yr	÷	Number of Days per Year	=	Landscape Losses gal/day
	x	25	÷	365	=	0

II. BOILER LOSSES FOR STEAM CONDENSATE NOT RETURNED TO BOILER

Boiler Horsepower based on 80% of boiler rating	x	Loss Factor 3.6 gal/hr/hp	x	No. of Operating hours/day	=	Boiler Losses gal/day
	x	3.6	x		=	0

III. WATER EVAPORATION LOSSES FROM COOLING TOWERS

Tonnage Hundred Design Tons	x	Loss Factor 2.5 gal/min/100 design tons	x	Number of Operating hours/day	x	Conversion Factor 60 min/hr	=	Cooling Tower Losses gal/day
	x	2.5	x		x	60	=	0

ATTACHMENT A
ITEMIZED CALCULATION OF WATER LOSSES
(Continuation)

IV. **WATER INTO PRODUCT** (Please show calculations and submit back-up documentation.)

N/A

V. **OTHER LOSSES** (Please show calculations and submit back-up documentation.)

N/A

ATTACHMENT B
CALCULATION OF DAILY WASTEWATER DISCHARGE FLOW RATE

5 truck loads @ 5,000 gallons each per day are anticipated at start up to equal approximately 25,000 gallons

ORANGE COUNTY SANITATION DISTRICT

ATTACHMENT 156

EFFLUENT FLOW METER REQUIREMENT GUIDELINE

The District may require Permittee to install a flow measuring device (effluent flow meter) to obtain flow measurement of the wastewater discharges to the District's sewer system for the following reasons:

- Permittee meets the criteria for daily BOD and TSS self-monitoring.
- Losses during process cannot be accurately determined, and/or application of losses results in a calculated negative discharge.
- Multiple sample/discharge points.
- One city supply point and metering is used for multiple facilities.
- City meter inaccessible for reading.
- Accurate flow measurements are required for compliance and/or user charges determination.

A. The District strongly recommends the use of an open-channel flow measuring system. The District may accept an in-line (full-flow) flow measuring system if Permittee demonstrates that an open-channel flow measuring system is not feasible technically or economically, and if Permittee ensures equivalent accuracy and makes necessary provisions for proper calibration of the flow meter.

Permittee shall install and use an effluent meter and shall ensure by design, proper installation and calibration of a flow measurement accuracy within ±5% for both the primary and secondary devices of the flow water.

B. The following are the minimum requirements for the installation of an effluent measurement system:

1. Effluent meter equipment (primary and secondary devices) must be accessible for reading, inspection, maintenance, and calibration.
2. No effluent meter component will be located in areas that require confined space entry.
3. Effluent meter system shall be located such that it obtains representative flow measurement of the industrial flow.
4. Effluent meter shall have a momentary contact-closure pulse signal-generating device that can be used to activate an automatic sampling device at uniform increments of discharge volume. The contact closure must be set at a rate to provide at least 50 aliquots during a 24-hour period.
5. Permittee shall make all necessary provisions to ensure accurate and proper calibration of flow metering device. Provisions shall include, but not be limited to, the following:
   - Upstream water connection to allow city water flow through the flow metering system during calibration.
   - Calibration simulator for in-line flow meter provided or approved by the flow meter manufacturer to simulate flow conditions and output to instrumentation.
6. The flow metering system shall have a flow recorder and totalizer.
7. Resettable totalizers are not acceptable to the District. If a liquid crystal display is used, provide a non-resettable external totalizer.

C. Existing effluent flow meter installations

The District may review any existing effluent meter installation currently in place in Permittee's facility that measures the discharge to the sewer system. Based on its evaluation of the accuracy of measurement and calibration results, the District may determine whether the metering system requires replacement with a system in accordance with the above minimum requirements or modifications to meet the requirements.

D. Whether for a new installation of an effluent flow meter or modification to an existing one, Permittee shall perform a full hydraulic calibration and submit a report to the District in accordance with the District's Effluent Flow Meter Calibration Requirements and Reporting Requirements and Guidelines.

KLEAN WATERS INC.
41721 AVENIDA ORTEGA
TEMECULA, CA 92592
PH. 951-303-1116

1044

90-3210/1222
222

Date 9-25-12

Pay To The Order of Orange County Sanitation District $ 1,570.00

Fifteen hundred seventy and 00/100 Dollars

Security Features Details on Back.

CALIFORNIA BANK | TRUST
TEMECULA OFFICE
41615 WINCHESTER RD., TEMECULA, CALIFORNIA 92590
CBT Connect 1-800-400-6080 www.calbanktrust.com

For permit app. fee

MP

⑈001044⑈ ⑆122232091⑆ 22202030⑆⑈

ORANGE COUNTY SANITATION DISTRICT
CLASS I PERMIT APPLICATION PACKAGE CHECKLIST

SUBMITTED

☒ PERMIT APPLICATION

☒ PERMIT FEE REMITTANCE ($1570.00)

☐ "Certification of Responsible Officer" and/or "Authorization for Designated Signatory" form(s)

INFORMATION AND DRAWINGS REQUIREMENTS:

☒ I. Plot Plan

☒ II. Manufacturing Process Layout same as V.

☒ III. Manufacturing Process Flow Diagram same as V.

☒ IV. Pollutant Source Identification

- ☒ A. Wet Process Waste/wastewater Flow Diagram
- ☒ B. Waste/wastewater Characterization Report

☒ V. Pretreatment System Drawings

- ☒ A. Pretreatment System Location Drawings and Layout
- ☒ B. Pretreatment System Process Flow and Instrumentation Diagram

☐ VI. Effluent Meter Calibration Report

☒ VII. Spill Containment Drawing and Information same as V.

☐ Other: _____

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The items checked above were submitted.

_____ 9-25-12

Applicant Signature Date

Note: This checklist must be submitted with the Class I Permit Application.